



Phase II and Phase III Archeological Database and Inventory

Site Number: 18CV481

Site Name: CCNPP Site 8

Prehistoric ☐

Other name(s) GAI Site 8

Historic ☒

Unknown ☐

Brief Description:

Late 19th to early 20th century domestic site

Site Location and Environmental Data:

Latitude 38.4323 Longitude -76.4487

Elevation m Site slope 2-5%

Site setting

-Site Setting restricted

-Lat/Long accurate to within 1 sq. mile, user may need to make slight adjustments in mapping to account for sites near state/county lines or streams

Maryland Archeological Research Unit No. 9

SCS soil & sediment code BtB2

Physiographic province Western Shore Coastal

Terrestrial site ☒ Underwater site ☐

Ethnobotany profile available ☐ Maritime site ☐

Nearest Surface Water

Name (if any) Goldstein Branch

Saltwater

Ocean ☐

Estuary/tidal river ☐

Tidewater/marsh ☐

Spring ☐

Minimum distance to water is 73 m

Freshwater

Stream/river ☒

Swamp ☐

Lake or pond ☐

Spring ☐

Temporal & Ethnic Contextual Data:

Paleoindian site ☐

Woodland site ☐

Archaic site ☐

MD Adena ☐

Early archaic ☐

Early woodland ☐

Middle archaic ☐

Mid. woodland ☐

Late archaic ☐

Late woodland ☐

Unknown prehistoric context ☐

Contact period site ☐ ca. 1820 - 1860 ☐

ca. 1630 - 1675 ☐ ca. 1860 - 1900 ☐

ca. 1675 - 1720 ☐ ca. 1900 - 1930 ☐

ca. 1720 - 1780 ☐ Post 1930 ☐

ca. 1780 - 1820 ☐

Unknown historic context ☐

Unknown context ☐

Ethnic Associations (historic only)

Native American ☐

Asian American ☐

African American ☐

Unknown ☐

Anglo-American ☐

Other ☐

Hispanic ☐

Y=Confirmed, P=Possible

Site Function Contextual Data:

Prehistoric

Multi-component ☐

Misc. ceremonial ☐

Village ☐

Rock art ☐

Hamlet ☐

Shell midden ☐

Base camp ☐

STU/lithic scatter ☐

Rockshelter/cave ☐

Quarry/extraction ☐

Earthen mound ☐

Fish weir ☐

Cairn ☐

Production area ☐

Burial area ☐

Unknown ☐

Other context ☐

Historic

Urban/Rural? Rural ☐

Domestic

Homestead ☒

Farmstead ☐

Mansion ☐

Plantation ☐

Row/townhome ☐

Cellar ☐

Privy ☐

Industrial

Mining-related ☐

Quarry-related ☐

Mill ☐

Black/metalsmith ☐

Furnace/forge ☐

Other ☐

Transportation

Canal-related ☐

Road/railroad ☐

Wharf/landing ☐

Maritime-related ☐

Bridge ☐

Ford ☐

Educational

Commercial ☐

Trading post ☐

Store ☐

Tavern/inn ☐

Military

Battlefield ☐

Fortification ☐

Encampment ☐

Townsite

Religious ☐

Church/mtg house ☐

Ch support bldg ☐

Burial area

Cemetery ☐

Sepulchre ☐

Isolated burial ☐

Bldg or foundation ☒

Possible Structure ☒

Post-in-ground ☐

Frame-built ☐

Masonry ☐

Other structure ☐

Slave related

Non-domestic agri ☐

Recreational ☐

Midden/dump ☐

Artifact scatter ☒

Spring or well ☐

Unknown ☐

Other context ☐

Interpretive Sampling Data:

Prehistoric context samples

Soil samples taken ☐

Flotation samples taken ☐

Other samples taken ☐

Historic context samples

Soil samples taken ☐

Flotation samples taken ☐

Other samples taken ☐



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Diagnostic Artifact Data:

Projectile Point Types	
Clovis	<input type="checkbox"/>
Hardaway-Dalton	<input type="checkbox"/>
Palmer	<input type="checkbox"/>
Kirk (notch)	<input type="checkbox"/>
Kirk (stem)	<input type="checkbox"/>
Le Croy	<input type="checkbox"/>
Morrow Mntn	<input type="checkbox"/>
Guilford	<input type="checkbox"/>
Brewerton	<input type="checkbox"/>
Otter Creek	<input type="checkbox"/>
Koens-Crispin	<input type="checkbox"/>
Perkiomen	<input type="checkbox"/>
Susquehana	<input type="checkbox"/>
Vernon	<input type="checkbox"/>
Piscataway	<input type="checkbox"/>
Calvert	<input type="checkbox"/>
Selby Bay	<input type="checkbox"/>
Jacks Rf (notch)	<input type="checkbox"/>
Jacks Rf (pent)	<input type="checkbox"/>
Madison/Potomac	<input type="checkbox"/>
Levanna	<input type="checkbox"/>

Prehistoric Sherd Types

Marcey Creek	<input type="checkbox"/>	Popes Creek	<input type="checkbox"/>	Shepard	<input type="checkbox"/>	Keyser	<input type="checkbox"/>
Dames Qtr	<input type="checkbox"/>	Coulbourn	<input type="checkbox"/>	Townsend	<input type="checkbox"/>	Yeocomico	<input type="checkbox"/>
Selden Island	<input type="checkbox"/>	Watson	<input type="checkbox"/>	Minguannan	<input type="checkbox"/>	Monongahela	<input type="checkbox"/>
Accokeek	<input type="checkbox"/>	Mockley	<input type="checkbox"/>	Sullivan Cove	<input type="checkbox"/>	Susquehannock	<input type="checkbox"/>
Wolfe Neck	<input type="checkbox"/>	Clemson Island	<input type="checkbox"/>	Shenks Ferry	<input type="checkbox"/>		
Vinette	<input type="checkbox"/>	Page	<input type="checkbox"/>	Moyaone	<input type="checkbox"/>		
				Potomac Cr	<input type="checkbox"/>		

Historic Sherd Types

Earthenware	Ironstone	<input type="checkbox"/>	Staffordshire	<input type="checkbox"/>	Stoneware	
Astbury	Jackfield	<input type="checkbox"/>	Tin Glazed	<input type="checkbox"/>	English Brown	<input type="checkbox"/>
Borderware	Mn Mottled	<input type="checkbox"/>	Whiteware	<input type="checkbox"/>	Eng Dry-bodie	<input type="checkbox"/>
Buckley	North Devon	<input type="checkbox"/>	Porcelain	<input type="checkbox"/>	Nottingham	<input type="checkbox"/>
Creamware	Pearlware	<input type="checkbox"/>			Rhenish	<input type="checkbox"/>
					Wt Salt-glazed	<input type="checkbox"/>

All quantities exact or estimated minimal counts

Other Artifact & Feature Types:

Prehistoric Artifacts	
Flaked stone	<input type="checkbox"/> 1
Ground stone	<input type="checkbox"/>
Stone bowls	<input type="checkbox"/>
Fire-cracked rock	<input type="checkbox"/>
Other lithics (all)	<input type="checkbox"/>
Ceramics (all)	<input type="checkbox"/>
Rimsherds	<input type="checkbox"/>
Other fired clay	<input type="checkbox"/>
Human remain(s)	<input type="checkbox"/>
Modified faunal	<input type="checkbox"/>
Unmod faunal	<input type="checkbox"/>
Oyster shell	<input type="checkbox"/>
Floral material	<input type="checkbox"/>
Uncommon Obj.	<input type="checkbox"/>
Other	<input type="checkbox"/>

Prehistoric Features

Mound(s)	<input type="checkbox"/>	Storage/trash pit	<input type="checkbox"/>
Midden	<input type="checkbox"/>	Burial(s)	<input type="checkbox"/>
Shell midden	<input type="checkbox"/>	Ossuary	<input type="checkbox"/>
Postholes/molds	<input type="checkbox"/>	Unknown	<input type="checkbox"/>
House pattern(s)	<input type="checkbox"/>	Other	<input type="checkbox"/>
Palisade(s)	<input type="checkbox"/>		
Hearth(s)	<input type="checkbox"/>		
Lithic reduc area	<input type="checkbox"/>		

Lithic Material

Fer quartzite	<input type="checkbox"/>	Sil sandstone	<input type="checkbox"/>
Jasper	<input type="checkbox"/>	Chalcedony	<input type="checkbox"/>
Chert	<input type="checkbox"/>	Ironstone	<input type="checkbox"/>
Rhyolite	<input type="checkbox"/>	Argilite	<input type="checkbox"/>
Quartz	<input type="checkbox"/>	Steatite	<input type="checkbox"/>
Quartzite	<input type="checkbox"/>	Sandstone	<input type="checkbox"/>
		European flint	<input type="checkbox"/>
		Basalt	<input type="checkbox"/>
		Unknown	<input type="checkbox"/>
		Other	<input type="checkbox"/>

☐ Dated features present at site

Historic Artifacts	
Pottery (all)	<input type="checkbox"/> 401
Glass (all)	<input type="checkbox"/> 421
Architectural	<input type="checkbox"/> 70
Furniture	<input type="checkbox"/>
Arms	<input type="checkbox"/>
Clothing	<input type="checkbox"/> 6
Personal items	<input type="checkbox"/>
Tobacco related	<input type="checkbox"/> 34
Activity item(s)	<input type="checkbox"/> 1
Human remain(s)	<input type="checkbox"/>
Faunal material	<input checked="" type="checkbox"/>
Misc. kitchen	<input type="checkbox"/> 16
Floral material	<input type="checkbox"/>
Misc.	<input type="checkbox"/> 12
Other	<input checked="" type="checkbox"/> 1 prehistoric lithic

Historic Features

Privy/outhouse	<input type="checkbox"/>	Depression/mound	<input type="checkbox"/>	Unknown	<input type="checkbox"/>
Const feature	<input type="checkbox"/>	Burial(s)	<input type="checkbox"/>	Other	<input type="checkbox"/>
Foundation	<input type="checkbox"/>	Trash pit/dump	<input type="checkbox"/>		
Cellar hole/cellar	<input type="checkbox"/>	Sheet midden	<input type="checkbox"/>		
Hearth/chimney	<input type="checkbox"/>	Planting feature	<input type="checkbox"/>		
Postholes/molds	<input type="checkbox"/>	Road/walkway	<input type="checkbox"/>		
Paling ditch/fence	<input type="checkbox"/>				

All quantities exact or estimated minimal counts

Radiocarbon Data:

Sample 1:	<input type="text"/> +/- <input type="text"/> years BP	Reliability	Sample 2:	<input type="text"/> +/- <input type="text"/> years BP	Reliability	Sample 3:	<input type="text"/> +/- <input type="text"/> years BP	Reliability
Sample 4:	<input type="text"/> +/- <input type="text"/> years BP	Reliability	Sample 5:	<input type="text"/> +/- <input type="text"/> years BP	Reliability	Sample 6:	<input type="text"/> +/- <input type="text"/> years BP	Reliability
Sample 7:	<input type="text"/> +/- <input type="text"/> years BP	Reliability	Sample 8:	<input type="text"/> +/- <input type="text"/> years BP	Reliability	Sample 9:	<input type="text"/> +/- <input type="text"/> years BP	Reliability

☐ Additional radiocarbon results available



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External Samples/Data:

☐ Additional raw data may be available online

Collection curated at

Summary Description:

Site 18CV481, also known as CCNPP Site 8 or GAI Site 8, is a late 19th to early 20th century domestic site located on the Calvert Cliffs Nuclear Facility in Calvert County, Maryland. The site lies at the northern edge of a fallow field on a broad ridgetop above Goldstein Branch. Woodlands lie to the north of the site and two finger-like projections of the field extend west and south. The site measures approximately 40 X 45 meters or 0.43 acres. Soils at the site are Beltsville and Aquasco slit loams.

The site was first investigated archeologically in late 2006 during a Phase Ib investigation of the property. The Phase Ib study was conducted because of the proposed expansion of the nuclear facilities at the Calvert Cliffs Nuclear Power Plant. The project impact area included approximately 683 acres of former BG&E property south and west of the existing nuclear facilities. A new nuclear power generating facility would be constructed, along with ancillary facilities, temporary construction laydowns, and wetland and stream mitigation. As a result, Phase I survey was carried out throughout the 683 acre parcel, with many areas progressing to Phase Ib or Phase II levels of investigation.

Phase Ib investigations at 18CV481 consisted of systematic 15 m interval shovel testing (STPs), followed by radial STPs around positive finds at a closer 5 m interval. STPs measured 50 cm in diameter and were hand-excavated in natural strata to at least 10 cm into the subsoil and 10 cm below the deepest point of artifact recovery. Excavated soils were screened through hardware mesh and field notes were recorded on standardized forms. A total of 22 STPs were excavated within the site, with 16 positive STPs producing 36 historic artifacts.

Shovel tests revealed an Ap-B soil horizon sequence with disturbances limited to cultivation. Historic artifacts were recovered from the Ap horizon. The artifacts assemblage is discussed in combination with the Phase II artifacts below, but generally, diagnostics pointed to a 19th to early 20th century date for the site. A 1905 USGS quad map depicts a structure in the general vicinity of 18CV481, suggesting that this was a domestic site. Based on these findings, Phase II testing was recommended, which was subsequently carried out in 2007.

As part of the Phase II study, archival background research was conducted. The modern parcel on which Site 18CV481 is situated, was originally two separate tracts. One of these tracts dates back to at least 1870, when it was inherited by a Robert J. Sorrell from his father Richard. Beyond that date, little can be said because early records have been destroyed by a fire in the Calvert County courthouse. Robert would hold onto the parcel until March 29th, 1904, when he sold the property to Lucy Johnson. None of the deeds of sale provide text descriptions of buildings transferred in any of the sales, but (as mentioned previously) a 1905 USGS quad map depicts a structure in this location. This makes it highly likely that a house was already present when Lucy Johnson acquired the property.

Lucy Johnson's heirs defaulted on tax payments on the property and it was subsequently sold at public auction to a Samuel C. Cox in 1942. A year later he sold the property to one James W. Pardoe. It was James Pardoe who acquired a second property (15 acres known as the Gideon Johnson tract). He had acquired it from a Harry B. Trueman in 1946, but little else is provided regarding this parcel in the full site report. The combined tracts were eventually sold by members of the Pardoe family to BG&E in 1985. The property became part of the nuclear facility in 2000.

Phase II field investigations began with the excavation of 97 STPs at 4.6 meter (15 ft) intervals. STP excavation methods were the same as those utilized during the Phase Ib study. Forty-three positive STPs produced a total of 142 artifacts, and revealing three low density clusters. Cluster 1 fell within the northwest quadrant of the site. Cluster 2 in the southwest to south-central portion of the site. Cluster 3 was within the southeastern quadrant.

The STP work was followed by the excavation of 7 judgmentally placed test units. The STP artifact distributions were used to determine test unit locations. The test units varied in size (30 X 90 cm up to 1.5 X 1.5 m), but a total of 11.8 square meters (127 square feet) was opened up. Test units were typically hand-excavated by arbitrary 10 cm levels within natural strata to a minimum depth of 9.1 cm (.3 ft) into the B horizon and 9.1 cm below the last recovered artifact. Excavated soils were screened through hardware cloth and recovered artifacts were placed in bags labeled with the appropriate provenience information. Select diagnostic artifacts were point provenienced and bagged separately. Relevant data was recorded on standardized forms and measured profiles and photographs of one wall were used to document completed units in profile.

No cultural features (other than plow scars) were identified during test unit excavations. Test units excavations confirmed that this fallow (but previously cultivated) field exhibited an Ap-Bt soil horizon sequence within eroded soils across the site. In other words, the topsoil has been eroded/removed and the upper portion of the subsoil has been plowed. The Ap horizon varied in thickness from 18-30 cm. Plow scars were observed at the Ap/Bt interface in all of the units. The site area was ultimately determined to be about 40 X 45 meters.

Phase Ib and Phase II investigations produced a combined assemblage of 921 artifacts including 1 activity item (a piece of lighting glass), 70 architectural objects, 6 clothing remains (5 fasteners and 1 other object), 797 kitchen-related artifacts, 34 tobacco-related items (all white clay pipe fragments), 12 miscellaneous/indeterminate items, and 1 prehistoric lithic. The architectural assemblage consisted of 14 brick and block pieces, 41 pieces of window glass, 14 badly corroded nails/spikes, and a plumbing fixture. The kitchen assemblage included 401 ceramic sherds (301 plain whiteware, 32 decorated whiteware, 16 ironstone, 8 porcelain, 2 redware, 20 yellowware, 14 stoneware, and 8 unidentified), 2 decorative table glass fragments, 378 bottle/jar fragments, and 16 pieces of shell. The diagnostic artifacts yielded a mean date of 1894 and a terminus post quem date of 1903 for the assemblage.

Site 18CV481 lacks integrity and does not possess the potential to address important research questions relating to the history of the region. Base on the results of the Phase Ib/II field investigations and archival research, the site should not be considered a significant archeological resource.

External Reference Codes (Library ID Numbers):

95000547